

异腹长蝽亚科一新种

(半翅目：长蝽科)

刘国卿 郑乐怡

(南开大学生物系 天津 300071)

阿拉善异腹长蝽 *Heterogaster alashanicus* 新种^[1,2] (图1、2、3、5、6)

体被淡色短毛及较大的刻点。头部黑色，基部中央具一光滑淡黄色小斑，头前端较向前突伸(图1)，额及头顶密布粗糙不甚规则的刻点及银白色平伏毛。喙伸达中足基节。触角密被淡色长毛，第一节黑色，端部背面有一黄斑；第二节黑褐色，末端及背侧中线端黄褐色，后者向端渐加粗；第三节黑褐，向端渐成褐色；第四节黄褐，近端部色渐淡；各节长度(单位mm)为I：II：III：IV=0.4~0.47：0.74~0.88：0.7~0.75：0.75~0.87。前胸背板前叶黑，后叶黄褐色，后缘有时亦呈黑色；前缘略直，后缘前凹，侧缘中部向内微凹，具很狭的棱边，宽不超过其旁的大型刻点直径，前半黑，后半黄；侧角钝圆；中部横缢不显著；胫区宽大，左右相连约成长方形，表面全不隆出，具稀疏浅刻点；胫区以外密被深大刻点及银白色丝状平伏毛；后叶刻点较大，黑褐，疏于前叶，毛细短，半平伏。小盾片黑色，末端淡黄色且光滑，基部稍隆，从基角处各向内斜伸出一短的纵脊。前翅黄褐色，刻点同色，有时略深，呈褐色，毛黄褐、短小、弯曲，半平伏。革片后缘中部有一黑斑，有时不显，无其他深色斑纹。爪片接合缝色稍深，褐至黑褐色。膜片略带烟色，透明，无深色斑，雌、雄均不伸达腹端。腹部侧接缘各节基半黑，端半黄，外露。足较粗壮，被白色长毛；前足腿节膨大，黑色，顶端淡黄，近端部腹面有一短粗刺；中、后足腿节黄、黑相间，但色斑形状亦有变化，各足胫节黄褐色，基部、中部及近端部处各为一黑褐色至黑色环。雄虫生殖节如图2，生殖节侧面观后缘如图6所示，抱器细长(见图3、5)。

体长：雄虫5.85 mm，雌虫6.75 mm。

正模♂，内蒙古阿拉善左旗贺兰山西麓古拉本，1987.VII.31，郑乐怡采。副模1♀，内蒙古阿拉善左旗，1991.VII.29，刘国卿采；3♂♂ 2♀♀，同正模。

新种与欧亚大陆分布节具三黑环的种类比较^[3,4]如下：*affinis* Herrich-Schaeffer 虫体明显较大，革片端缘处中部黑色，膜片有1~2褐斑。*urticae* (Fabricius) 体毛长，较为直立，触角色较淡，前胸背板侧缘狭边宽，革片及膜片均有较多的暗色斑。*parens* Jakovlev (中亚)，体较大，前胸背板被长毛，膜片具暗色斑。*distinctus* Jakovlev (俄罗斯南部、伊朗) 身体大小近似，但腿节淡白色，只末端黑色，小盾片侧方淡色，革片深色斑较多。*chinensis* Zou et Zheng 体形大小与新种近似，但前胸背板后叶黑色，革片

后半几乎全黑; ♂ 生殖节侧面观后缘明显凹入较多(图7); *chinensis* 的抱器较粗短, 内突细尖, 下缘强烈内凹(图4,8)^[5]。

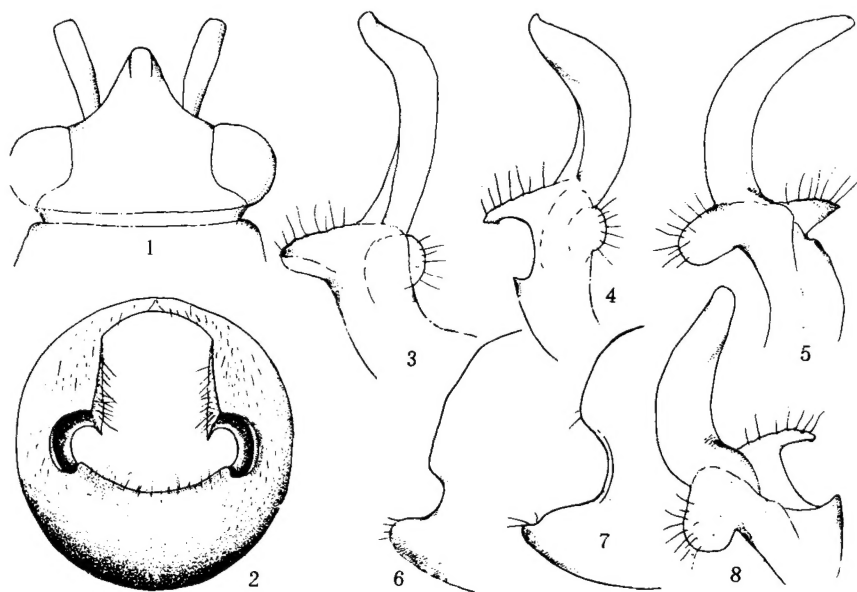


图1,2,3,5,6 阿拉善异腹长蝽 *Heterogaster alashanicus* Liu et Zheng, sp. nov. ♂

1. 头部背面观; 2. 生殖节正面观; 3、5. 抱器; 6. 生殖节末端侧面观;

图4,8,7 中华异腹长蝽 *H. chinensis* Zou et Zheng sp. nov. ♂

4、8. 抱器; 7. 生殖节末端侧面观

参 考 文 献

- 1 Putshkov V G. Fauna of Ukrain, Vol. 21, no. 3, Lygaeidae, 1969, 388 pp, Kiev
- 2 Slater J A. A catalogue of the Lygaeidae of the World, 1964, 1: 778 pp, Storrs
- 3 Jakovlev B E. Materials on hemipterous fauna of Russia and adjacent countries, Bull. S.N. Mosc, 1981, no. 1: 194 ~ 214
- 4 Jakovlev B E. Hemiptera-Heteroptera nouveaux de la Faune palaearctique. Rev, russe d'Ent, 1902, 2: 63 ~ 70
- 5 邹环光, 郑乐怡. 中国长蝽科新种记述(V) 异腹长蝽属三新种. 动物分类学报, 1981, 6(1): 69 ~ 73

A NEW SPECIES OF HETEROGASTERINAE (Hemiptera : Lygaeidae)

Liu Guoqing Zheng Leyi

(Department of Biology, Nankai University Tianjin 300071)

Abstract In this paper a new species of Heterogastrinae is reported, i. e. *Heterogaster alashanicus* Liu et Zheng sp. nov. The type specimens are kept in Department of Biology, Nankai University.

***Heterogaster alashanicus* Liu et Zheng, sp. nov.** (figs. 1,2,3,5,6)

Body with short light-colored hairs and moderately large punctures.

Male body length 5.85 mm, width 1.35mm, female body length 6.75mm, width 2.3mm.

Holotype ♂, Gulaben, Helan Mt, Alxa Zuoqi, Nei Mongol Autonomous Region, July 31, 1987, Zheng Le-yi leg. Paratypes 3 ♂♂ 2 ♀♀ ibid. ♀ July 29, 1991, collected by Liu Guoqing.

Comparing with the new species, the Eurasian species with three black tibial rings have the following differences: *H. affinis* Herrich-Schaeffer: conspicuously larger, middle of corium apex margin black; membrane with 1 to 2 brown maculae. *H. unticae* (Fabricius): hairs sub-erect and long, antennae light-colored, fronto-vertex much wider, laterior carina of pronotum wider, corium and membrane with more dark spots. *H. parens* Jakovlev: coloration similar, but pronotum with long hairs, membrane with dark spots, body larger. *H. distinctus* Jakovlev: femora pale with apex black only, scutellum light-colored laterally, corium with more dark spots. *H. chinensis* Zou et Zheng: resembling in shape and size, but posterior lobe of pronotum black, posterior half of corium almost completely black; posterior margin of pygofer conspicuously concave in lateral view, more strongly than in new species; parameres shorter, inner process slender and pointed, lower margin strikingly concave; in new species, the parameres is thinner and longer, inner process more robust and blunt.